

WHAT IS CLAIMED IS:-

1. A printhead assembly, comprising:
at least one printhead module comprising at least two printhead integrated circuits, each of which has nozzles formed therein for delivering printing fluid onto the surface of print media, a support member supporting and carrying the printing fluid for the at least two printhead integrated circuits, and an electrical connector for connecting electrical signals to the at least two printhead integrated circuits;
a plurality of longitudinally extending electrical conductors arranged to provide power from a power supply to the at least two printhead integrated circuits via the electrical connector; and
a casing comprising a support frame on which the at least one printhead module and at least one mounting element are removably held, the at least one mounting element having formed therein a plurality of recessed channels for receiving and removably mounting individual ones of the plurality of electrical conductors.
2. A printhead assembly according to claim 1, further comprising a loading plate for loading conductor portions of the electrical connector against respective ones of the plurality of electrical conductors.
3. A printhead assembly according to claim 2, wherein the loading plate is removably mounted to the casing by the at least one mounting element.
4. A printhead assembly according to claim 3, wherein the loading plate includes a non-conductive portion which urges the electrical connector against the plurality of electrical conductors.
5. A printhead assembly according to claim 4, wherein the non-conductive portion is formed of a resilient material.
6. A printhead assembly according to claim 5, further comprising drive electronics incorporating at least one controller for controlling the printing operation of at least one of the at least two printhead integrated circuits via the electrical connector, the drive electronics being removably mounted to the casing by the at least one mounting element.
7. A printhead assembly according to claim 6, wherein the power carried by the plurality of electrical conductors is also delivered to the drive electronics via the loaded electrical connector.
8. A printhead assembly according to claim 1, wherein:
the at least one printhead module is formed as a unitary arrangement of the at least two printhead integrated circuits, the support member, the electrical connector, and at least one fluid distribution member mounting the at least two printhead integrated circuits to the support member; and

the support member has at least one longitudinally extending channel for carrying the printing fluid for the printhead integrated circuits and includes a plurality of apertures extending through a wall of the support member arranged so as to direct the printing fluid from the at least one channel to associated nozzles in both, or if more than two, all of the printhead integrated circuits by way of respective ones of the fluid distribution members.

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